



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010569
CERTIFICATION DATE: September 25, 2013
DATE RECERTIFICATION DUE: March 24, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

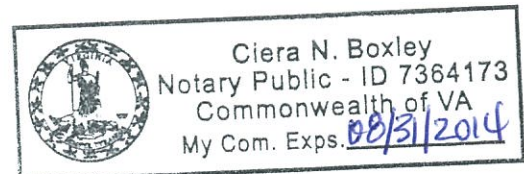
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/27/2013

HMS
10/2/13
NMJ

Instrument Serial Number: 010569

As of 27-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
25-Sep-13	25-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
15-Apr-13	15-Apr-13	HMS (18910)	CERTIFIED
05-Nov-12	05-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
30-May-12	30-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
07-Dec-11	07-Dec-11	HMS (18910)	CERTIFIED
22-Jun-11	22-Jun-11	HMS (18910)	REPLACED PRINTER RIBBON, REPLACED DRY GAS STANDARD, CERTIFIED
19-Jan-11	19-Jan-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
02-Aug-10	02-Aug-10	HMS (18910)	CERTIFIED
24-Feb-10	24-Feb-10	HMS (18910)	CERTIFIED
10-Sep-09	10-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED.
31-Mar-09	31-Mar-09	HMS (18910)	CERTIFIED.
06-Mar-09	06-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
15-Dec-08	15-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

AMS
NR

Instrument Serial Number 010569 Worksheet Start Date 9/25/2013
Location Tazewell County
Address 104 Court St., Tazewell, VA 24651
DFS Technician Heather Stanton License No. 18910
☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

	Old serial no.	New serial no.	Supplies	
E-Seek			Mouthpieces	75
Keyboard			Certificates of Analysis	75
Printer			Operator Worksheet	2 pads
UPS			Other:	

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010569

Certification Date 9/25/2013

Instrument Barometer (mm HG) 693

Reference Barometer (mm HG) 695

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.250	0.228	0.221	0.234	0.225
Precision		sample min	sample max	Sample 2
0		0.225	0.225	0.225
				Sample 3

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.150	0.137	0.132	0.141	0.138
Precision		sample min	sample max	Sample 2
0		0.138	0.138	0.138
				Sample 3

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.080	0.073	0.070	0.076	0.073
Precision		sample min	sample max	Sample 2
0		0.073	0.073	0.073
				Sample 3

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.020	0.018	0.015	0.021	0.017
Precision		sample min	sample max	Sample 2
0		0.017	0.017	0.017
				Sample 3

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-04

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.100	0.091	0.088	0.094	0.091
Precision		sample min	sample max	Sample 2
0		0.091	0.091	0.091
				Sample 3

DFS Technician

Heath W. Stutz Date9/27/1310/2/13
HWS

Issuing Analyst

Melinda Kennedy Date10/3/13Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013DFS Document 250-F113
Revision 6
Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

hms
NKK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/25/2013
TEST EQUIPMENT NUMBER 010569		

RESULTS: TIME SAMPLE TAKEN 08:02 EDT
0.00
SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 27 Sep 2013 at 08:44

AMS
RSL

Test Results

Instrument Serial Number 010569

Test # 000798 Subject Test

Test Location 1 Department of
Test Date 25 Sep 2013

Test Location 2 Forensic Science
Test Time 07:56
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 25 Sep 2013 End Time 08:03

Result Time 08:02

Result Date 25 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 07:56

Data Type BLK

Sample Value 0.000

Sample Time 07:57

Data Type CHK

Sample Value 0.093

Sample Time 07:58

Data Type BLK

Sample Value 0.000

Sample Time 07:59

Data Type SUBJ

Sample Value 0.000

Sample Time 08:00

Data Type BLK

Sample Value 0.000

Sample Time 08:01

Data Type SUBJ

Sample Value 0.000

Sample Time 08:02

Data Type BLK

Sample Value 0.000

Sample Time 08:03

Standard Type Dry Gas Std

Standard Value 0.091

Standard Lot Number AG206601-07

Standard Expiration Date 03/06/2014

Tank Pressure 291

Barometric Pressure 693 mmHg

Blow Sample Number 1 Blow Duration 3.47 sec

Blow Volume 1740 cc End-of-Blow Time 08:00

Blow Sample Number 2 Blow Duration 3.65 sec

Blow Volume 1718 cc End-of-Blow Time 08:02

Tamper Evident Stamp b227c42b

Test Status Code 0

Test Status Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010569 Test Number: 799

Test Date: 09/25/2013 Test Time: 08:05 EDT

Dry Gas Target: 0.091

Lot Number: AG206601-07 Exp Date: 03/06/2014

Tank Pressure: 286 psi Barometric Pressure: 693 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	08:05
CHK	0.092	08:06
BLK	0.000	08:08
CHK	0.092	08:09
BLK	0.000	08:10
CHK	0.092	08:11

Test Status: Success

Calibration CRC: A1C2BE87

AMS
MSE

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010569 Test Number: 800

Test Date: 09/25/2013 Test Time: 08:13 EDT

Dry Gas Target: 0.273

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 321 psi Barometric Pressure: 692 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	08:14
CHK	0.276	08:15
BLK	0.000	08:16
CHK	0.276	08:17
BLK	0.000	08:19
CHK	0.275	08:19

Test Status: Success

Calibration CRC: A1C2BE87

tho

post

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010569

System Date: 09/25/2013

System Time: 08:42 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Handwritten initials: HMB and MK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010569 Test Number: 801

Test Date: 09/25/2013 Test Time: 08:45 EDT

Dry Gas Target: 0.091

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 698 psi Barometric Pressure: 692 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	08:45
CAL	0.091	08:46

Test Status: *Success*

Calibration CRC: 99D190A9

AND
NSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010569 Test Number: 802
Test Date: 09/25/2013 Test Time: 08:49 EDT

Technician Initials: HMS

Dry Gas Target: 0.228

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 664 psi Barometric Pressure: 693 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:49
BLK	0.000	08:50
CHK	0.225	08:51
BLK	0.000	08:52
CHK	0.225	08:53
BLK	0.000	08:54
CHK	0.225	08:55
BLK	0.000	08:56

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Handwritten signature/initials

Handwritten signature/initials

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010569 Test Number: 803

Test Date: 09/25/2013 Test Time: 08:58 EDT

Technician Initials: HMS

Dry Gas Target: 0.137

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 174 psi Barometric Pressure: 692 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:58
BLK	0.000	08:59
CHK	0.138	09:00
BLK	0.000	09:01
CHK	0.138	09:02
BLK	0.000	09:03
CHK	0.138	09:04
BLK	0.000	09:05

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS

WDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010569 Test Number: 804
Test Date: 09/25/2013 Test Time: 09:06 EDT

Technician Initials: HMS

Dry Gas Target: 0.073

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 178 psi Barometric Pressure: 692 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:07
BLK	0.000	09:07
CHK	0.073	09:08
BLK	0.000	09:09
CHK	0.073	09:10
BLK	0.000	09:11
CHK	0.073	09:12
BLK	0.000	09:13

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

AMS
NME

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010569 Test Number: 805
Test Date: 09/25/2013 Test Time: 09:14 EDT

Technician Initials: HMS

Dry Gas Target: 0.018

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 262 psi Barometric Pressure: 692 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:15
BLK	0.000	09:15
CHK	0.017	09:16
BLK	0.000	09:17
CHK	0.017	09:18
BLK	0.000	09:19
CHK	0.017	09:20
BLK	0.000	09:21

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

ANS
HSH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010569 Test Number: 806

Test Date: 09/25/2013 Test Time: 09:23 EDT

Dry Gas Target: 0.273

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 311 psi Barometric Pressure: 692 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:24
CHK	0.275	09:25
BLK	0.000	09:26
CHK	0.275	09:27
BLK	0.000	09:29
CHK	0.274	09:30

Test Status: *Success*

Calibration CRC: 99D190A9

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010569 Test Number: 807

Test Date: 09/25/2013 Test Time: 09:32 EDT

Dry Gas Target: 0.091

Lot Number: AG320502-04 Exp Date: 07/24/2015

Tank Pressure: 1115 psi Barometric Pressure: 692 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	09:33
CHK	0.091	09:34
BLK	0.000	09:35
CHK	0.091	09:36
BLK	0.000	09:37
CHK	0.091	09:38

Test Status: Success

Calibration CRC: 99D190A9




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten signatures and initials in blue ink.

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/25/2013
TEST EQUIPMENT NUMBER 010569		

RESULTS: TIME SAMPLE TAKEN 09:45 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 27 Sep 2013 at 08:45

AND
RSL

Test Results

Instrument Serial Number 010569

Test # 000808 Subject Test

Test Location 1 Department of
Test Date 25 Sep 2013

Test Location 2 Forensic Science

Test Time 09:39

Test Location 3

System Check Passed

Remote/Local Local

Operator's Last Name STANTON

Operator's First Name HEATHER

Operator's Middle Initial M

Agency DFS Central Lab

License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 25 Sep 2013

End Time 09:47

Result Time 09:45

Result Date 25 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:40

Data Type BLK

Sample Value 0.000

Sample Time 09:41

Data Type CHK

Sample Value 0.091

Sample Time 09:41

Data Type BLK

Sample Value 0.000

Sample Time 09:43

Data Type SUBJ

Sample Value 0.000

Sample Time 09:43

Data Type BLK

Sample Value 0.000

Sample Time 09:44

Data Type SUBJ

Sample Value 0.000

Sample Time 09:45

Data Type BLK

Sample Value 0.000

Sample Time 09:46

Standard Type Dry Gas Std

Standard Value 0.091

Standard Lot Number AG320502-04

Standard Expiration Date 07/24/2015

Tank Pressure 1115

Barometric Pressure 692 mmHg

Blow Sample Number 1

Blow Duration 3.54 sec

Blow Volume 1763 cc

End-of-Blow Time 09:43

Blow Sample Number 2

Blow Duration 3.54 sec

Blow Volume 1708 cc

End-of-Blow Time 09:45

Tamper Evident Stamp a47c600f

Test Status Code 0

Test Status Success